

World Water Day 2019

THEME



“LEAVE NO ONE BEHIND”

PRESENTED BY : K.R.GUPTA – FIE ,Chartered Engr.



2019 Leaving no one behind

Whoever you are, wherever you are , water is your human right



World Water Day

AGENDA

- ❖ **World Water Day**
- ❖ **World Water Day**
- ❖ **World Water Day-**

History

Facts & Figures .

Facts & Figures - India

Why do we need to save water?

How to save Water in Daily Life

Saving Water in the Kitchen

Saving Water While Washing Clothes

Saving Water Outdoors

Pledge

2019 Leaving no one behind

Whoever you are, wherever you are , water is your human right



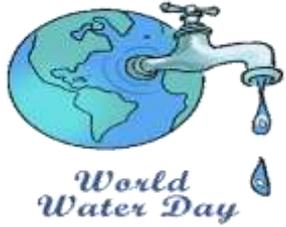
World Water Day

HISTORY

- ❖ World Water Day serves to raise awareness about water issues such as [sanitation](#) problems and water shortages in many parts of the world.
- ❖ Today, 1 in 10 people lack access to safe and clean water, a problem which has a direct impact on the economy, [health](#) of the [population](#) and well-being of [women](#) and [children](#) worldwide.
- ❖ In 1992, World Water Day was proposed at the [United Nations](#) Conference on Environment and Development.
- ❖ The United Nations General Assembly responded to the proposition in 1993 by declaring March 22 as World Water Day with the Theme – [“Water for Cities”](#)
- ❖ Each year, the UN-Water agency allocates a theme corresponding to a current or potential challenge for World Water Day.

2019 Leaving no one behind

Whoever you are, wherever you are , water is your human right



World Water Day

FACTS & FIGURES

- ❖ 2.1 billion People live without safe water in their homes.
- ❖ ONE IN FOUR PRIMARY SCHOOLS HAVE NO DRINKING WATER SERVICE, with pupils using unprotected sources or going thirsty.
- ❖ Around 159 million people collect their drinking water from surface water, such as ponds and streams
- ❖ Around 4 billion people – nearly two-thirds of the world’s population experience severe water scarcity during at least one month of the year.
- ❖ OVER 800 WOMEN DIE EVERY DAY from complications in pregnancy and childbirth.
- ❖ 700 million people worldwide could be displaced by intense water scarcity by 2030.

2019 Leaving no one behind

Whoever you are, wherever you are , water is your human right



World Water Day

FACTS & FIGURES

❖ Richest countries in terms of water resources.

- Brazil , Russia , Canada , Indonesia , China , Columbia , U.S.A , Peru and India are among the nine richest country in terms if water resources.

❖ Poorest Country in terms water resources.

- Bahrain , Jordan , Kuwait , Libyan , Arab , Jamahiriya , Maldives , Malta , Qatar , Saudi Arabia , UAE and Yemen.

2019 Leaving no one behind

Whoever you are, wherever you are , water is your human right



World Water Day

FACTS & FIGURES- INDIA

India is a water rich country with 4% of world's water resources.

- ❖ It is estimated that only 18% of total rural population of 833 million have access to treated water in comparison to 41% of rural.
- ❖ More than half of the pipes in rural areas in India deliver untreated water.
- ❖ WHO estimates that, in India, about 38 million people are affected by waterborne diseases each year, of which over 75 percent are children; 780,000 deaths are attributable to contaminated water and more than 400,000 can be attributed to diarrhea alone.
- ❖ India ranks a dismal 120 out of 122 nations for its water quality and 133rd out of 180 nations for its water availability.

2019 Leaving no one behind

Whoever you are, wherever you are , water is your human right



World Water Day

WHY DO WE NEED TO SAVE WATER?

- ❖ 70 % of the earth is covered with water .
- ❖ 97.5% of the world's water is locked in seas and oceans, too salty for human use. And most of the remaining 1.5% is in the ice caps and only 1 % is easily accessible to us
- ❖ So we humans depend on the tiny bit available as fresh water – an essential natural resource for life.
- ❖ But we don't just use water for drinking. We wash in it, clean with it, and use it to produce everything from clothing to food. Crop production – including feed for livestock and biofuels – is putting a great strain on fresh water supplies.

2019 Leaving no one behind

Whoever you are, wherever you are , water is your human right



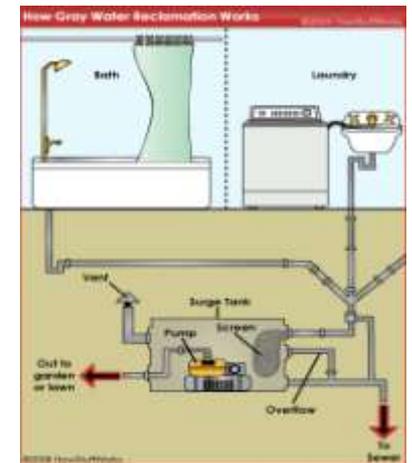
World Water Day

HARVESTING OF RAINWATER & GRAY WATER

Rainwater harvesting is collecting the run-off from a structure or other impervious surface in order to store it for later use. There are many countries such as Germany and Australia where rainwater harvesting is a normal Phenomenon.

Benefits :

- ❖ Rainwater is a relatively clean and absolutely free source of water
- ❖ It promotes self-sufficiency and helps conserve water
- ❖ It reduces storm water runoff from homes and businesses
- ❖ It uses simple technologies that are inexpensive and easy to maintain



2019 Leaving no one behind

Whoever you are, wherever you are , water is your human right



World Water Day

HOW TO SAVE WATER IN DAILY LIFE

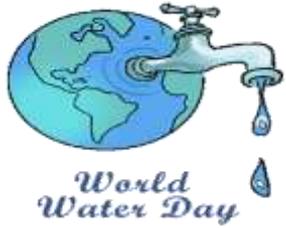
Try to look for ways everyday with which you can save water. There is no reason to worry if you happen to save only a minimal amount as every single drop matters a lot. This way you can slowly and gradually make a big difference.

- ❖ “Whenever you see an open tap, Close it instantly.” **#Save Water**
- ❖ **Fix your Leaks** – Known or unknown leaks in taps, pipes and toilets can result in up to 11,000 Liters of water being wasted.
- ❖ **Turn Off the Tap While Brushing your Teeth or Shaving** – An average tap or faucet throws approximately 10 liters of water every minute. So don’t leave the tap open while brushing or shaving.



2019 Leaving no one behind

Whoever you are, wherever you are , water is your human right



World Water Day

HOW TO SAVE WATER IN DAILY LIFE

- ❖ **Turn Off the Tap While Washing your Hands** – Do not leave the tap running while you're scrubbing your hands.
- ❖ **Flush with Less** – Older flush use 3 to 4 times more water as compared to the new ones. Convert your old flush toilet to a dual-flush toilet.
- ❖ **Install a Tap/Faucet Aerator** – Adding an aerator to your tap/faucet will add air to the flow of water, giving you a more consistent stream while also using less water overall. Taps/faucets with aerators can save up to 80% of water as compared to the tap/faucets without aerators.



2019 Leaving no one behind

Whoever you are, wherever you are, water is your human right



World Water Day

SAVING WATER IN THE KITCHEN

- ❖ **Re-use RO Waste Water** : An average RO purifier wastes approximately 3 liters of water for every 1 liter of purified water. This is a lot of wastage. We can try to reduce and re-use the RO waste water.
- ❖ **Washing Dishes by Hand**: When you are washing dishes by hand don't leave the water running for rinsing. Fill up your sink with water or use a large pan or bucket for rinsing the dishes. This will minimize the water wastage by not letting the water run the whole time when you're scrubbing the dishes.
- ❖ **Washing Dishes by Dishwasher** : Always remember to load your dishwasher to its full capacity. This will avoid multiple running cycles of the dishwasher and will save a lot of water.



2019 Leaving no one behind

Whoever you are, wherever you are , water is your human right



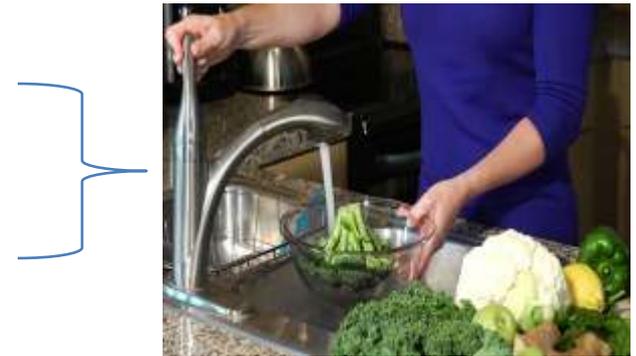
World Water Day

SAVING WATER IN THE KITCHEN

❖ **Defrost Frozen Food in the Refrigerator** : If you are cooking frozen foods or vegetable then instead of soaking it in the water you can simply use the defrost option of your refrigerator. But for doing this, you will have to plan a little ahead as defrosting with refrigerator will take some time.



❖ **Clean Fruits & Vegetables in a Pan** : When you need to clean fruits and vegetables with water, try filling up a pan of water to wash them instead of letting the faucet run. By doing this, not only you will use less water but you can also use the water from the Pan for watering your plants.



2019 Leaving no one behind

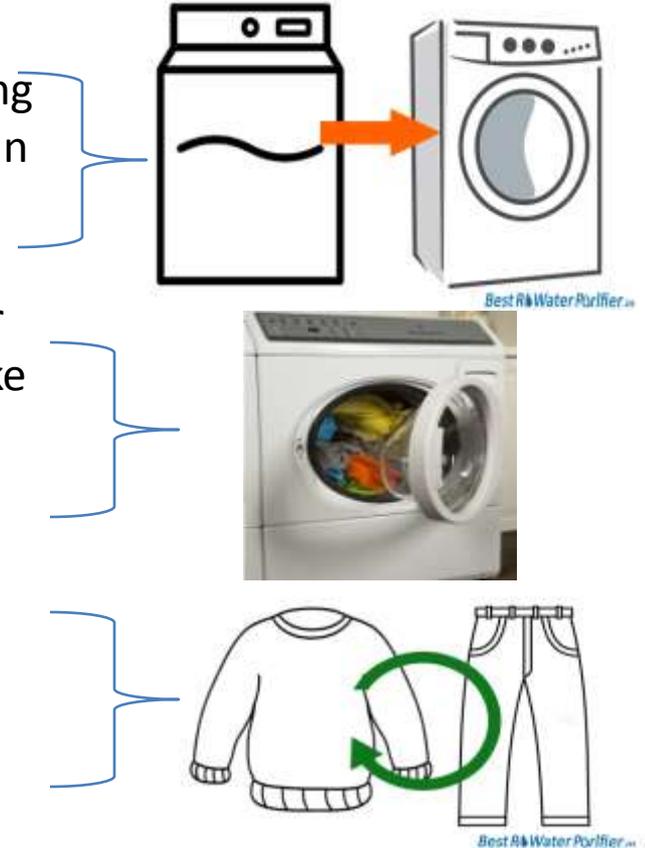
Whoever you are, wherever you are , water is your human right



World Water Day

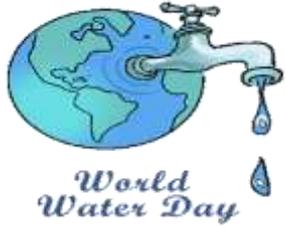
SAVING WATER WHILE WASHING CLOTHES

- ❖ **Replace your Old In-efficient Washing Machine with an Efficient Washing Machine** : Old-style top-loading washing machines use 150 to 170 Liters of water per wash. You can reduce this by up to 50% by using high-efficiency top-loading washing machines.
- ❖ **Don't Run Empty Washing Machines** : Don't just run your washing machine for couple of socks or 1 or 2 shirts, make sure you're washing a full load of laundry. When washing your clothes, use the economy mode – this will save you both water and electricity.
- ❖ **Wash Less Often** : Several clothes like sweaters, jeans, towels, track pants and jackets do not require washing every time you wear them. This will not only save water, but will save wear and tear on your clothes.



2019 Leaving no one behind

Whoever you are, wherever you are , water is your human right



World Water Day

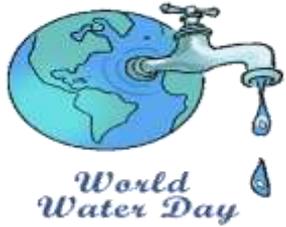
SAVING WATER OUTDOORS

- ❖ **Install a Water Meter** : A water meter will not only help in measuring the amount of water you use but it is the most important tool in your fight against reducing the wastage of water.
- ❖ **Stop the Overflow** : We can easily stop the overflow from our water tanks and save hundreds of liters of water daily by simply using one of the below solutions:
 - **Install a Float Valve** : This solution is best suited for water tanks which are filled using normal incoming water pressure. Always remember, you should never install a standard float valve if you are using a water motor/pump to fill the water tank.
 - **Water Tank Overflow Alarm**: Water Tank Overflow Alarm is a small electronic device that alerts you every time water overflows from your tank. It does not stop the flow of water, it simply raises an alarm so you can shut off the water pump . This simple device not only saves water but also saves electricity because your water pump is not left running even after your water tank is full.



2019 Leaving no one behind

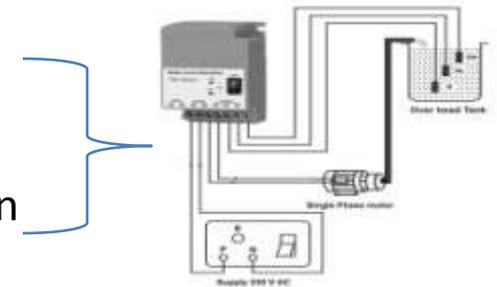
Whoever you are, wherever you are , water is your human right



World Water Day

SAVING WATER OUTDOORS

- **Automatic Water Level Controller:** As the name suggests, Automatic Water Level Controller is an electronic device which controls or manages the water level in your water tank. This device automatically switches on/off your water motor/pump when the water level in the tank reaches the minimum/maximum level.
- ❖ **Use Smart Watering Tactics on your Garden and Plants :** The best time of day to do your watering is in the morning or evening so that the water doesn't immediately evaporate. Water saving hoses and spray guns cover more area and use comparatively lesser water.
- ❖ **Don't Plant Grass If you Have Water Shortage :** If you live in an area with poor water supply or infrequent rain then the best advice anyone can give you is to not plant grass because grass requires considerable amount of water. You can instead grow plants that don't need as much water.



2019 Leaving no one behind

Whoever you are, wherever you are , water is your human right



World Water Day

SAVING WATER OUTDOORS

- ❖ **Use a Bucket to Wash your Car** : While using a bucket may require a little more effort but using a bucket instead of a running water pipe to wash your car will definitely reduce the wastage of water.
- ❖ **Don't Wash the Verandah or Backyard with a Pipe** : If you need to clean your verandah or backyard, use a broom to remove dry matter. If the area still needs additional cleaning, use a bucket of water.



2019 Leaving no one behind

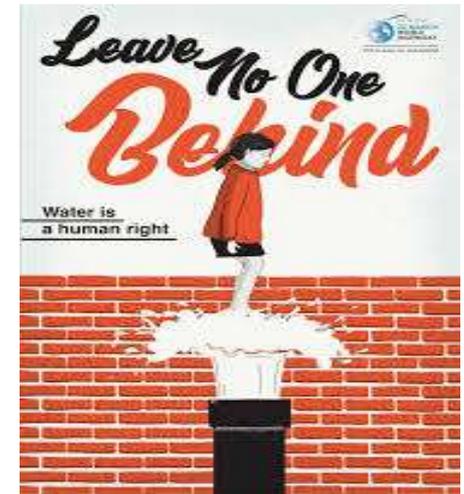
Whoever you are, wherever you are , water is your human right



Save Water

“LEAVING NO ONE BEHIND”

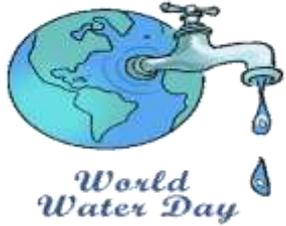
Let's Join hands
&
Take Pledge to save the water
&
To Save the earth and lives.-
“Leaving No One Behind”



THANK YOU !

2019 Leaving no one behind

Whoever you are, wherever you are , water is your human right



World Water Day

PLEDGE

- ❖ **To 'leave no one behind'**, we must focus our efforts towards including people **who have been marginalized or ignored**.
- ❖ **Water services must meet the needs of marginalized groups** and their voices must be heard in decision-making processes.
- ❖ **Regulatory and legal frameworks must recognize the right to water for all people**, and sufficient funding must be fairly and **effectively targeted at those who need it most**.

2019 Leaving no one behind

Whoever you are, wherever you are , water is your human right